

fine juiv

Work Order ID 133004

133004

Page 1

Friday, May 22, 2015 11:41:15 AM

Item ID: PB67-43001-01

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Fwd Blade Fold Assembly

Start Date: 5/21/2015 Start Qty: 1.00

1

Cust Item ID:

Required Date: 6/19/2015 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: UMF

Date: 15-5-27 Tooling:

Date:

Run Start *NR1*

QC:

Date:

SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
B67-43001-01	Rev C

100

0.00

100

Small Fab

Small Fab

Small Fab

Memo

0.00

1- Assemble as per dwg and notes on dwg B67-43001 and use 242 threadlock Blue

A/R shown on dwg PB67-43001 page 2

242 THREADLOCK Blue batch: B132202

A/R touch up paint with sandflex green

batch: 123883

JUN 25 2015

DAS
24
9-89

110

QC5- Inspect part completeness to step on W/O

0.00

110

QC

Quality Control

Memo

0.00

① 15-06-25 PD

Friday, May 22, 2015 11:41:15 AM

Page 2

15-6-26

Picklist Print

Friday, May 22, 2015 11:41:12 AM

Page 1

Work Order ID: 133004

133004

Parent Item: PB67-43001-01

PB67-43001-01

Parent Item Name: Fwd Blade Fold Assembly

Start Date: 5/21/2015

Required Date: 6/19/2015

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A 08-07-30 new issue DD verified by:ec
 IPP Rev:B 08-12-04 up date part list DD Verified by:ec IPP
 RevC 10.09.24 per RevC EC verified by:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MS51859-7 *MS51859-7* Washer		Purchased	No				Each	21.0000		4	DAS 28 9-89		JUN 0 4 2015
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST273				21					
				M127993				21					
240-107 *240-107* SPRING SLOTTED PIN		Purchased	No			100	Each	192.0000	8	8	DAS 28 9-89		
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST568				192					
				m132006				192					
30345T22 *30345T22* 8" LANYARD		Purchased	No			100	Each	10.0000	2	2	DAS 28 9-89		
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST570				10					
				m127979				10					
30345T24 *30345T24* LANYARDS		Purchased	No			100	Each	21.0000	2	2	DAS 28 9-89		
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST570				21					
				M127979				21					

Picklist Print

Page 2

Friday, May 22, 2015 11:41:12 AM

Work Order ID: 133004

133004

Parent Item: PB67-43001-01

PB67-43001-01

Parent Item Name: Fwd Blade Fold Assembly

Start Date: 5/21/2015

Required Date: 6/19/2015

Start Qty: 1.00

Required Qty: 1.00

AN4-10A Purchased No

100 Each 96.0000 2 2

AN4-10A

DAS
28
9-89

JUN 04 2015

Bolt

Location

Loc Qty

Loc Code

CA

17

M129682

17

ST345

79

131677

73

M130466

1

M131153

5

2

AN4-13A Purchased No

100 Each 647.0000 2 2

AN4-13A

DAS
28
9-89

Bolt

Location

Loc Qty

Loc Code

FG

20

122808

20

ST325A

600

m131957

200

m132317

400

ST344

27

131677

27

2

AN4-15A Purchased No

100 Each 354.0000 4 4

AN4-15A

DAS
28
9-89

Bolt

Location

Loc Qty

Loc Code

GA

38

120449

38

ST325A

316

m130358

8

m131320

13

m131957

95

m132317

200

4

Friday, May 22, 2015 11:41:12 AM

Shop Packet Print

Page 2

Picklist Print

Friday, May 22, 2015 11:41:12 AM

Page 3

Work Order ID: 133004

133004

Parent Item: PB67-43001-01

PB67-43001-01

Parent Item Name: Fwd Blade Fold Assembly

Start Date: 5/21/2015

Required Date: 6/19/2015

Start Qty: 1.00

Required Qty: 1.00

AN6-11A Purchased No

100 Each 9.0000 2 2

AN6-11A

BOLT

DAS

JUN 04 2015

28

9-89

Location

Loc Qty

Loc Code

ST335

9

M127993

9

2

AN6-20A Purchased No

100 Each 27.0000 2 2

AN6-20A

BOLT

DAS

22

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

ST286A

25

M128936

25

ST334

2

M130466

2

2

AN8-13A Purchased No

100 Each 11.0000 2 2

AN8-13A

Bolt

DAS

28

9-89

Location

Loc Qty

Loc Code

ST332

11

M127993

11

2

BSP43 Purchased No

100 Each 50.0000 4 4

BSP43

RIVET

DAS

28

9-89

Location

Loc Qty

Loc Code

ST551

50

M128636

50

4

Picklist Print

Friday, May 22, 2015 11:41:12 AM

Work Order ID: 133004

133004

Parent Item: PB67-43001-01

PB67-43001-01

Parent Item Name: Fwd Blade Fold Assembly

Start Date: 5/21/2015

Required Date: 6/19/2015

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-05

Purchased

No

100

Each

254.0000

2

2

CR3213-4-05

RIVET

DAS
28
9-89

JUN 04 2015

Location

Loc Qty

Loc Code

CCK004

100

m131340

100

ST319

154

123301

150

m129764

4

2

D3445-041

Manufactured

No

100

Each

2.0000

1

1

D3445-041

Belt Assembly

DAS
28
9-89

Location

Loc Qty

Loc Code

Mezz2

2

108356

2

1

D3447-3

Manufactured

No

100

Each

5.0000

2

2

D3447-3

Square Spacer

DAS
28
9-89

Location

Loc Qty

Loc Code

Mezz2

5

111111

5

2

D3447-7

Manufactured

No

100

Each

3.0000

2

2

D3447-7

Clevis

DAS
28
9-89

Location

Loc Qty

Loc Code

Mezz2

3

112980

3

2

Picklist Print

Friday, May 22, 2015 11:41:13 AM

Page 5

Work Order ID: 133004

133004

Parent Item: PB67-43001-01

PB67-43001-01

Parent Item Name: Fwd Blade Fold Assembly

Start Date: 5/21/2015

Required Date: 6/19/2015

Start Qty: 1.00

Required Qty: 1.00

D3447-9

Manufactured No

100

Each

5.0000

2

2

D3447-9

Swing Arm

DAS
28
9-89

JUN 04 2015

Location

Loc Qty

Loc Code

MEZZ

4

131425

4

2

Mezz2

1

114033

1

D3451-041

Manufactured No

100

Each

2.0000

1

1

D3451-041

Handle And Lock-Down Assembly

DAS
28
9-89

Location

Loc Qty

Loc Code

Mezz2

2

111741

2

1

D3451-047

Manufactured No

100

Each

4.0000

1

1

D3451-047

Handle And Lock-Down Assembly

DAS
28
9-89

Location

Loc Qty

Loc Code

Mezz2

4

111748

4

1

D3922-1

Manufactured No

100

Each

87.0000

2

2

D3922-1

Clip

DAS
28
9-89

Location

Loc Qty

Loc Code

ST064A

76

111733

76

ST066

11

111733

11

2

Friday, May 22, 2015 11:41:13 AM

Shop Packet Print

Page 5

Picklist Print

Page 6

Friday, May 22, 2015 11:41:13 AM

Work Order ID: 133004

133004

Parent Item: PB67-43001-01

PB67-43001-01

Parent Item Name: Fwd Blade Fold Assembly

Start Date: 5/21/2015

Required Date: 6/19/2015

Start Qty: 1.00

Required Qty: 1.00

MS17984-C408

Purchased

No

100

Each

18.0000

2

2

MS17984-C408

PIN, QUICK RELEASE

**

DAS
28
9-89

JUN 04 2015

LocationLoc QtyLoc Code

ST315

18

m127376

2

m128051

16

2

MS17984-C418

Purchased

No

100

Each

7.0000

2

2

MS17984-C418

QUICK RELEASE PIN

**

DAS
28
9-89LocationLoc QtyLoc Code

FG

1

123482

1

ST315

6

131677

2

m132124

4

2

MS21042L3

Purchased

No

100

Each

1,485.000

2

2

MS21042L3

Nut

**

DAS
28
9-89LocationLoc QtyLoc Code

FP001

420

M130922

420

GA

544

M131317

544

ST305

521

116549

12

126333

49

M128754

2

M132123

458

2

Friday, May 22, 2015 11:41:13 AM

Shop Packet Print

Page 6

Picklist Print

Page 7

Friday, May 22, 2015 11:41:13 AM

Work Order ID: 133004

133004

Parent Item: PB67-43001-01

PB67-43001-01

Parent Item Name: Fwd Blade Fold Assembly

Start Date: 5/21/2015

Required Date: 6/19/2015

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

100

Each

2,791.000

8

8

DAS
28
9-89

JUN 04 2015

MS21042L 4

Locknut

**

LocationLoc QtyLoc Code

FP001

26

m124231

26

GA

224

m127813

224

ST260a

1062

m130799

56

m131803

6

m132262

1000

ST305

1479

m128300

8

m130388

7

m130922

97

m131618

12

m132123

1355

8

DAS
28
9-89

MS21042L6

Purchased

No

100

Each

522.0000

4

4

MS21042L 6

Nut

**

LocationLoc QtyLoc Code

ST260a

200

m132262

200

ST273A

200

m131624

200

ST305

1

m129909

1

t260a

121

m131317

121

4

Friday, May 22, 2015 11:41:14 AM

Shop Packet Print

Page 7

Picklist Print

Friday, May 22, 2015 11:41:14 AM

Page 8

Work Order ID: 133004

133004

Parent Item: PB67-43001-01

PB67-43001-01

Parent Item Name: Fwd Blade Fold Assembly

Start Date: 5/21/2015

Required Date: 6/19/2015

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-04

Purchased

No

100

Each

150.0000

2

2

MS27039-1-04

Screw

DAS

28

9-89

JUN 04 2015

Location

Loc Qty

Loc Code

ST286

150

m131049

150

2

MS27039-1-21

Purchased

No

100

Each

476.0000

2

2

MS27039-1-21

Screw

DAS

28

9-88

Location

Loc Qty

Loc Code

ST273A

395

m127904

395

ST284

81

124326

8

m126319

73

2

MS51859-6

Purchased

No

100

Each

28.0000

4

4

MS51859-6

WASHER

DAS

28

9-89

Location

Loc Qty

Loc Code

ST273

28

m126474

28

4

MS51859-8

Purchased

No

100

Each

71.0000

8

8

MS51859-8

Washer

DAS

28

9-89

Location

Loc Qty

Loc Code

ST273

71

m127993

71

8

Picklist Print

Friday, May 22, 2015 11:41:14 AM

Work Order ID: 133004

133004

Parent Item: PB67-43001-01

PB67-43001-01

Parent Item Name: Fwd Blade Fold Assembly

Start Date: 5/21/2015

Required Date: 6/19/2015

Start Qty: 1.00

Required Qty: 1.00

NAS1149DN632J Purchased No

100 Each 190.0000 6 6

DAS
26
9-89

JUN 04 2015

NAS1149DN632J

Washer

**

Location	Loc Qty	Loc Code
ST270	190	
M127255	41	
M128812	49	
M132317	100	

NAS1149F0316P Purchased No

100 Each 39.0000 4 4

DAS
28
9-89

NAS1149F0316P

WASHER

**

Location	Loc Qty	Loc Code
st268	39	
113644	39	

NAS1149F0432P Purchased No

100 Each 1,065.000 16 16

DAS
28
9-89

NAS1149F0432P

WASHER

**

Location	Loc Qty	Loc Code
ST260a	988	
M131697	988	
st268	77	
M128995	63	
M130388	14	

NAS1149F0632P Purchased No

100 Each 126.0000 8 8

DAS
28
9-89

NAS1149F0632P

WASHER

**

Location	Loc Qty	Loc Code
ST267	126	
18057	126	

Picklist Print

Friday, May 22, 2015 11:41:14 AM

Page 10

Work Order ID: 133004

133004

Parent Item: PB67-43001-01

PB67-43001-01

Parent Item Name: Fwd Blade Fold Assembly

Start Date: 5/21/2015

Required Date: 6/19/2015

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0832P

Purchased

No

100

Each

167.0000

2

2

DAS
28
9-89

JUN 04 2015

NAS1149F0832P

WASHER

**

Location

Loc Qty

Loc Code

ST267

167

18057

167

NAS43DD3-68

NAS43DD3-68FC

Purchased

No

100

Each

0.0000

2

2
2

**

m 128671 Sp

Spacer

PB67-43001-07

Manufactured

No

100

Each

0.0000

1

1

DAS
24
9-89

PR67-43001-07

Fwd Blade Fold Assembly Weldment

PB67-43001-11

Manufactured

No

100

Each

0.0000

1

1

DAS
24
9-89

PR67-43001-11

Fwd Adjustable Blade Support Assembly

PB67-43001-15

Manufactured

No

100

Each

0.0000

1

1

DAS
24
9-89

PR67-43001-15

Fwd Adjustable Blade Support Assembly

PB67-43001-21

Manufactured

No

100

Each

0.0000

1

1

DAS
24
9-89

PR67-43001-21

Upper Blade Support And Cover Assembly

PB67-43001-23

Manufactured

No

100

Each

0.0000

1

1

DAS
24
9-89

PR67-43001-23

Lower Blade Support And Cover Assembly

**

JUN 25 2015

Picklist Print

Friday, May 22, 2015 11:41:14 AM

Page 11

Work Order ID: 133004

133004

Parent Item: PB67-43001-01

PB67-43001-01

Parent Item Name: Fwd Blade Fold Assembly

Start Date: 5/21/2015

Required Date: 6/19/2015

Start Qty: 1.00

Required Qty: 1.00

PB67-43001-261 Manufactured No

PB67-43001-261

Lever Arm

Location

Loc Qty

Loc Code

Mezz2

6

111102

6

100

Each

15.0000

4

4

DAS

28

9-89

JUN 04 2015

PB67-43001-265 Manufactured No

PB67-43001-265

Deltin Bushing

Location

Loc Qty

Loc Code

Mezz2

15

113389

15

100

Each

25.0000

2

2

DAS

28

9-89

PB67-43001-299 Manufactured No

PB67-43001-299

Bushing

Location

Loc Qty

Loc Code

Mezz2

25

113390

25

100

Each

0.0000

1

1

DAS

24

9-89

PB67-43001-45 Manufactured No

PB67-43001-45

Longitudinal Support

PB67-43001-51 Manufactured No

PB67-43001-51

Long T-Handle Assembly

100

Each

0.0000

1

1

DAS

24

9-89

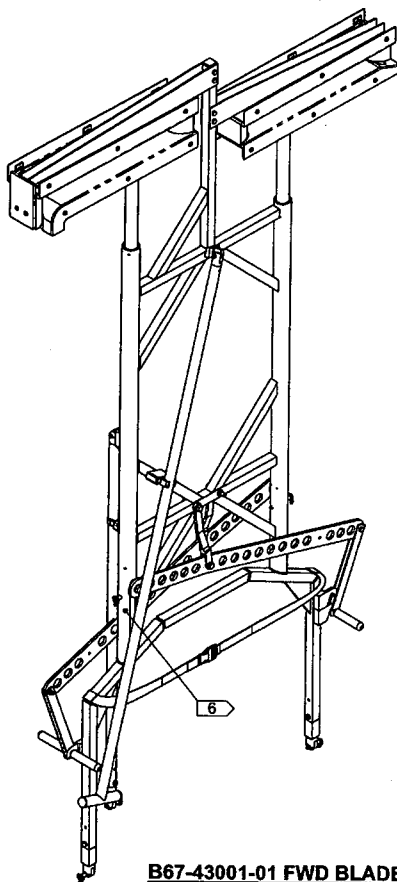
**3133021 → JUN 25 2015

**3133022 → JUN 25 2015

ITEM	QTY. -01	P/N	DESCRIPTION
	X	B67-43001-01	FWD BLADE FOLD ASSY
1	1	B67-43001-07	FWD BLADE FOLD ASSY WELDMENT
2	1	B67-43001-11	FWD ADJUSTABLE BLADE SUPPORT ASSY
3	1	B67-43001-15	FWD ADJUSTABLE BLADE SUPPORT ASSY
4	1	B67-43001-21	UPPER BLADE SUPPORT AND COVER ASSY
5	1	B67-43001-23	LOWER BLADE SUPPORT AND COVER ASSY
6	1	B67-43001-45	LONGITUDINAL SUPPORT
7	1	B67-43001-51	LONG T-HANDLE ASSY
8	2	B67-43001-261	LEVER ARM
9	4	B67-43001-265	DELIN BUSHING
10	2	B67-43001-299	BUSHING
11	1	D3445-041	BELT ASSEMBLY
12	2	D3447-3	SQUARE SPACER
13	2	D3447-7	CLEVIS
14	2	D3447-9	SWING ARM
15	1	D3451-041	HANDLE & LOCK-DOWN ASSY
16	1	D3451-047	HANDLE & LOCK-DOWN ASSY
17	2	D3922-1	CLIP
18	2	30345T22	LANYARD
19	2	30345T24	LANYARD
20	2	AN4-10A	BOLT
21	2	AN4-13A	BOLT
22	4	AN4-15A	BOLT
23	2	AN6-11A	BOLT
24	2	AN6-20A	BOLT
25	2	AN8-13A	BOLT
26	4	BSP43	RIVET
27	2	CR3213-4-05	RIVET
28	8	MS171534	SPRING SLOTTED TENSION PIN (OR 240107)
29	2	MS17984-C408	QUICK RELEASE PIN
30	2	MS17984-C418	QUICK RELEASE PIN
31	2	MS21042L3	NUT
32	8	MS21042L4	NUT
33	4	MS21042L6	NUT
34	2	MS27039-1-04	SCREW
35	2	MS27039-1-21	SCREW
36	4	MS51859-6	NYLON WASHER
37	4	MS51859-7	NYLON WASHER
38	8	MS51859-8	NYLON WASHER
39	2	NAS43DD3-68	SPACER
40	6	NAS1149DN632J	WASHER
41	4	NAS1149F0316P	WASHER
42	16	NAS1149F0432P	WASHER
43	8	NAS1149F0632P	WASHER
44	2	NAS1149F0832P	WASHER
45	A/R	242XX	LOCTITE 242 THREADLOCKER, BLUE

NOTES:

- 1) MATERIAL: NONE
- 2) FINISH: TOUCH UP PAINT WITH SANDFLEX GREEN.
POSSIBLE SUPPLIER BERTRAND BODY SHOP SUPPLIES P/N DART01K
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH RED LABEL
- 7) WEIGHT: 49.07 lbs
- 8) WITH THE INNER TUBE CRADLE ASSEMBLY LOCKED IN ITS LOWEST MOST RECESSED POSITION, TRANSFER DRILL $\phi 0.250$ DIA HOLE FROM THE OUTER TUBE TO THE INNER TUBE AND THROUGH THE OUTER TUBE. DEBURR, REMOVE DEBRIS, AND TOUCH UP PAINT PER ITEM 2 AS REQUIRED. 2 PL.
- 9) INSTALL TEFLON TUBE BUSHING INSIDE THE OUTER TUBE. MATCH DRILL BUSHING TO EXISTING HOLES IN OUTER TUBE USING $1/8"$ DIAMETER DRILL. INSERT MS171534 (OR 240170) SPRING SLOTTED PIN AND GRIND FLUSH WITH CONTOUR OF OUTER TUBE. 8 PL (2 PL PER BUSHING).
- 10) PERMISSIBLE TO TRIM NYLON WASHERS OR SUBSTITUTE WITH THINNER MS51859 EQUIVALENT
- 11) TRIM HEAD OF MS17984-C408 QUICK PIN FLUSH TO BODY AS SHOW. TOUCH UP WITH BLACK PAINT PRIOR TO FASTENING TO FRAME.



B67-43001-01 FWD BLADE FOLD ASSY

RELEASED
2010-09-21

C	REDRAWN PREMIER AVIATION DRAWING IAW DART QSI 018 AND QSI 043. FOR PREVIOUS REVISIONS, REFER TO SHEET 2 OF PREMIER AVIATION DRAWING No. B67-43001. REASON: SEE PAR#08-011	VS	10.06.11
REV.	DESCRIPTION	BY	DATE
DESIGN	RW	DART AEROSPACE LTD	
DRAWN	VS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	VS	DRAWING NO.	REV. C
MFG. APPR.	VS	B67-43001-01	SHEET 1 OF 2
APPROVED	VS	TITLE	SCALE
DE APPR.	VS	FWD BLADE FOLD ASSY	NTS
DATE	10.06.11	COPYRIGHT © 1995 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS UNDERSTANDING THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR DISSEMINATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

DQA: _____ Date: _____

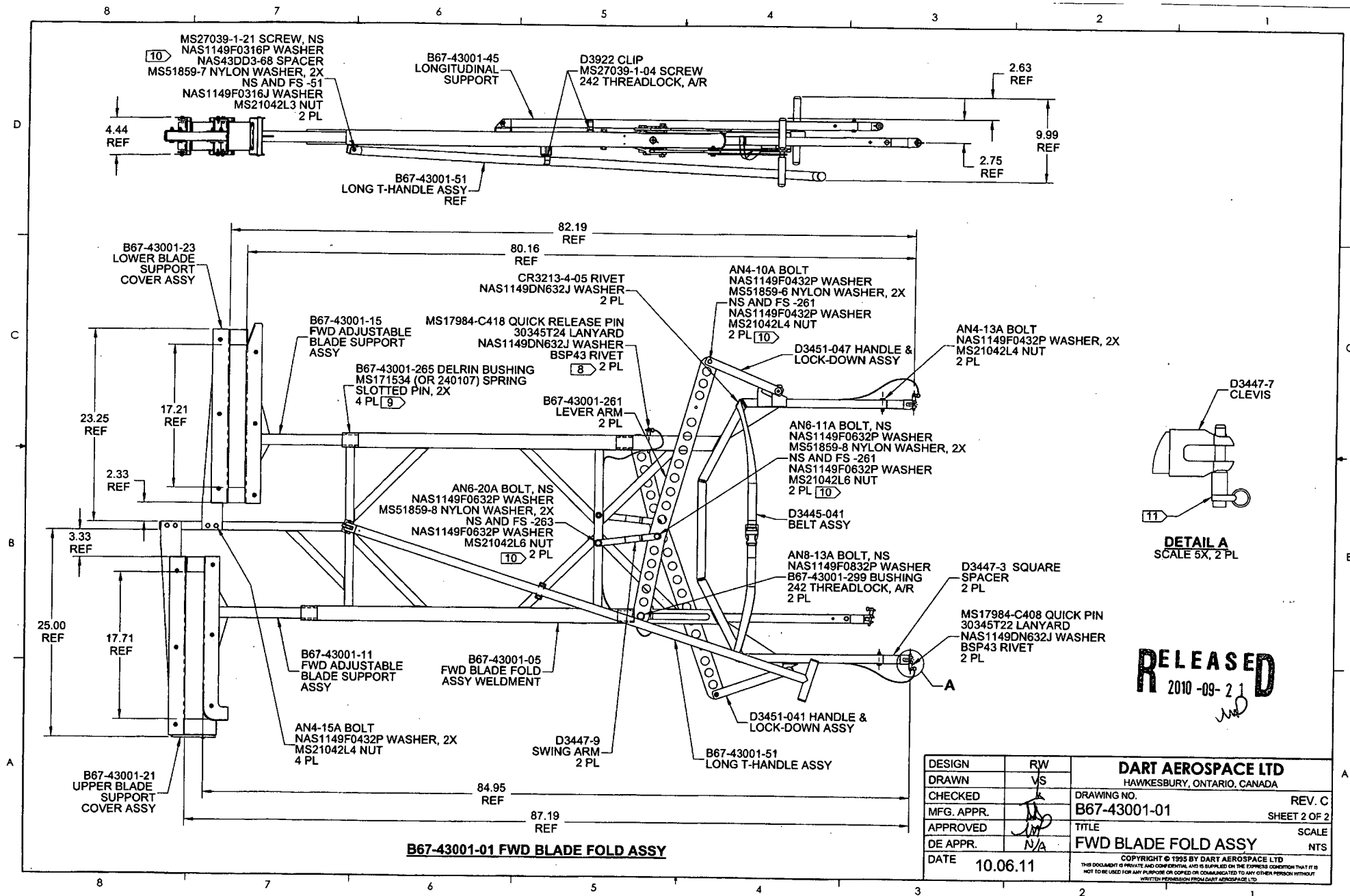


WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER :							



DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : ☐					